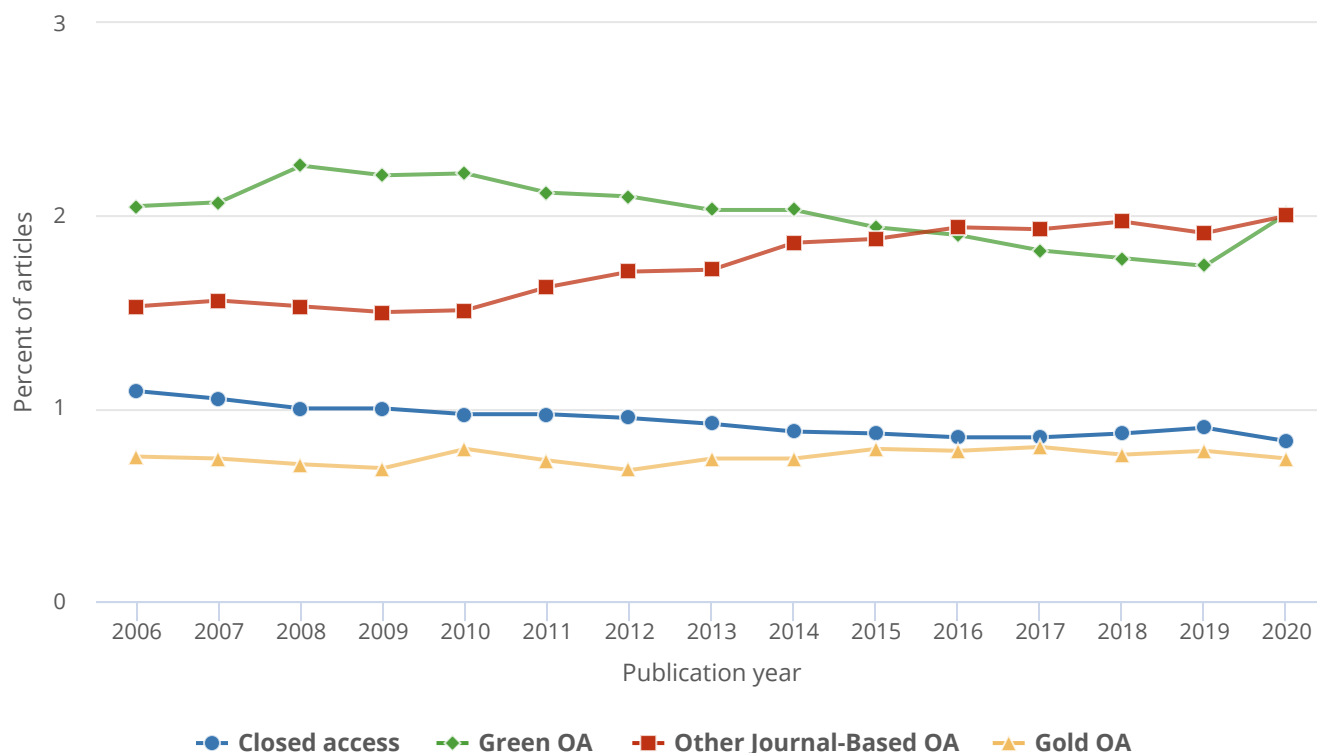


Figure PBS-11

S&amp;E publications in the top 1% most-cited journal articles as a share of all articles, by publication access type: 2006–20



OA = open access.

**Note(s):**

Articles refer to articles from peer-reviewed journals in S&E fields from Scopus. Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of the author(s) listed in the article. Citation data are based on all citations made to articles in their publication year and all following years and are normalized by subfield and publication year to allow for comparisons across subfields and over time, resulting in the world level standing at 1.00 for each subfield and year. A minimum 2-year citation window is needed for a highly cited article (HCA) score to be computed. This results in scores regarding HCA not being computed after 2020 because the citation window for more recent years is not yet complete. The share of articles in the top 1% is computed as follows:  $S_x = HCA_x / A_x$ , where  $S_x$  is the share of output from country  $x$  in the top 1% most-cited articles;  $HCA_x$  is the number of articles from country  $x$  that are among the top 1% of most-cited articles (using full counting, with the exception of articles at the limit of the top 1%, which are fractioned so the world average can stand at 1%); and  $A_x$  is the total number of articles from country  $x$  with a relative citation score, which excludes articles released after 2020 and unclassified publications. The world average is 1.00 for each year. For more details, see Table SPBS-86 through Table SPBS-89.

**Source(s):**

National Center for Science and Engineering Statistics; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed April 2023.

*Science and Engineering Indicators*